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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/616,221	07/14/2000	Rajeev Koodli	088245-0963	7016
23524	7590	12/15/2010	EXAMINER	
FOLEY & LARDNER LLP 150 EAST GILMAN STREET P.O. BOX 1497 MADISON, WI 53701-1497			LEVITAN, DMITRY	
			ART UNIT	PAPER NUMBER
			2461	
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			12/15/2010	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/616,221	<b>Applicant(s)</b> KOODLI ET AL.	
	<b>Examiner</b> Dmitry H. Levitan	<b>Art Unit</b> 2461	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 November 2010.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,3,7,9-12,14-21 and 23-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3,9,14,21 and 24-27 is/are allowed.
- 6) ☒ Claim(s) 1,7,10-12,15-20 and 23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date. _____   | 6) <input type="checkbox"/> Other: _____                          |

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Amendment, filed 11/18/10, has been entered. Claims 1, 3, 7, 9-12, 14-21 and 23-27 remain pending.

### **Claim Rejections - 35 USC § 112**

1. Claim 23 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 23 limitations, directed to “the method of claim 22” are unclear, as claim 22 has been cancelled. Therefore, claim 23 is rejected as an incomplete claim.

### **Claim Rejections - 35 USC § 102**

1. Claims 1, 7, 10-12 and 15-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Le (US 6,300,887).

2. Regarding claims 1 and 7, Le teaches a method (transferring compression and decompression information during a handoff of a mobile station, as shown on Fig. 2 and described on 17:8-67), comprising:

establishing a connection between a first network element and a mobile node (establishing a connection between a mobile terminal, 130 or 150, and a first network element, described as an Access Network Infrastructure (ANI) 120 or new ANI, as the mobile unit performs a handoff operation from old ANI to the New ANI, as shown on Fig. 2 and described on 17:25-55),

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establishing a connection between the first network element and a second network element in response to a handoff request from the mobile node (inherently establishing a connection between first/new and second/old network elements/ANI, because the connection between new and old elements is essential for transfer header compression information from Old ANI to a New ANI, as a response/result of the mobile node handoff operation, shown on Fig. 2 and 5 and described on 5:35-44),

requesting by the first network element, header compression state information from the second network element and receiving, at the first network element, the requested header compression state information from the second network element (new network entity inherently requests compression state information from the old network entity, because this information, is transferred from the old network entity to the new network entity during handoff operation, as described on 3:55-4:10, wherein New and Old labels should be used to identify the network entities, as numbering of the network entities, first or second, is reversed in comparison with the claims language),

receiving at the first network element, the requested header compression state information from the second network element (New ANI receives header compression state information from the Old ANI, as shown on Fig. 5 and described on 3:55-4:10).

receiving at the first network element, a portion of the header compression state information from the mobile node (New ANI receives a portion of the header compression state information from the mobile node through the Old ANI, as described on 3:65-4:15).

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3. Regarding claim 12, Le teaches using the indicated compression state information for communication between the new network entity and the mobile terminal, as described on 18:30-48.

4. Regarding claims 15 and 20, Le teaches a method (transferring compression and decompression information during a handoff of a mobile station, as shown on Fig. 2 and described on 17:8-67) comprising:

initiating, by a mobile node, a handoff procedure to a first network element from a second network element (mobile terminal initiates a handoff operation to a first network element/New ANI from a second network element/Old ANI, as shown on Fig. 2 and described on 17:25-55)

establishing a connection between the mobile node and the first network element (establishing a connection between a mobile terminal and the first network element/ New ANI, as a result of the mobile terminal handoff from the Old ANI, as described on 17:25-55), and

sending at least a portion of header compression state information from the mobile node to the first network element as part of the handoff procedure (sending decompressor context information from the mobile node through the first/Old network entity to the second/New network entity, as described on 3:65-4:14).

5. Regarding claims 11, 16 and 17, Le teaches sending a snapshot of compressed context information to the first/new network node, wherein the information indicates the latest acknowledged FH packet, as shown on Fig. 7 and described on 21:1-50.

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6. Regarding claims 18 and 19, Le teaches sending packets with compressed headers from the mobile station to the first/new network node after the handoff completion, utilizing previously received compression state information, as described on 4:66-5:44.

### **Allowable Subject Matter**

7. Claims 3, 9, 14, 21, 24-27 are allowed.

### **Response to Arguments**

8. Applicant's arguments with respect to claims 1 and 7 have been considered but are moot in view of the new ground(s) of rejection.

On page 10 of the Response, Applicant argues that Le does not teach “receiving at the first network element a portion of the header compression state information from the mobile node”.

Examiner respectfully disagrees.

Le clearly teaches mobile unit sending the snapshot of the decompression context information to a new network entity/ANI, as described on 3:55-4:15.

Therefore, new network element/entity, receives a portion of the header compression state information, transmitted from the mobile node through the Old network entity.

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On page 11 of the Response, Applicant argues that Le teaching of handoff operation, comprising synchronization between the compressor and decompressor are different from claims limitations, directed to “a portion of header compression state information”.

Examiner respectfully disagrees.

Claims limitations, directed to transmitting or receiving “a portion of header compression state information”, do not exclude Le teaching of the handoff operation, comprising exchange of sync information of the compressor/decompressor, as the sync information is a part of the header compression.

On page 12 of the Response, Applicant argues that Fig. 5 shows that new ANI is not receiving a portion of the compression state information.

Examiner respectfully disagrees.

Fig. 5 clearly shows “Old ANI takes a snapshot of ... and transfers to new ANI”, wherein the Old ANI receives the compression state information from the mobile device, as described in more details on 3:55-4:15.

Applicant arguments, directed to Fig. 4, are irrelevant as they are not directed to the claims or the portion of Le, used for the rejection of the claims.

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### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry H. Levitan whose telephone number is (571) 272-3093. The examiner can normally be reached on 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dmitry H. Levitan/  
Primary Examiner, Art Unit 2461